

IN THE CLAIMS:

The claims, as pending in the subject application, now read as follows:

1. (Currently amended) A computer-implemented method of forming a printable representation of a web page document having ~~framed~~ content in at least two frames, the computer including a processor, a memory and a display device each coupled to the processor, the web page document being displayed by the processor upon the display to represent the ~~framed~~ content in the at least two frames, said method comprising the steps of:

(a) recording in the memory a position, height and width of each frame of the at least two frames of said web page document in a display widow of the display device in which said web page document is presented;

(b) identifying using the processor dimensions of a printing medium associated with said printable representation;

(c) determining using the processor a height of the content ~~of~~ in each frame of said at least two frames frame;

(d) determining using the processor, for each frame of said at least two frames frame, a record of any corresponding dependency frames, each said dependency frame being above a respective frame of said at least two frames frame in said display window;

(e) interpreting using the processor the records to establish a display order of said at least two frames;

(f) for each frame of said at least two frames, and in said display order, using the processor to:

(fa) check a start position of said each frame of said at least two frames frame against an end position of a created display region of a frame upon which said each frame of said at least two frames frame is dependent, and setting said start position to be said end position;

(fb) create a display region upon a page in said printable representation at said start position according to said corresponding content height;

(fc) place the content of said each frame of said at least two frames frame into said display region; and

(fd) where said display region exceeds a page limit in said printable representation, terminate the display region at the page limit and create a further display region upon a following page of the printable representation so as to span the content of said each frame of said at least two frames frame across the display region and the further display region; and

(g) one of store the printable representation in the memory and transmit the printable representation to a printer for printing.

2. (Currently amended) A method according to Claim 1 wherein step (c) comprises:

(ca) determining a width of said content of each frame of said at least two frames said frame;

(cb) determining a scaling factor by which the content width of said each frame of said at least two frames frame need be adjusted to correspond to a corresponding display width of said each frame of said at least two frames frame in said display window; and

step (fb) further comprises scaling the content of said each frame of said at least two frames frame according to said scaling factor to fit within said display width.

3. (Original) A method according to Claim 2 wherein step (fb) comprises:

(i) applying a zoom to the display region corresponding to the scaling factor;

and

(ii) expanding a width of the display region by the inverse of the scaling factor to thereby reveal content otherwise obscured.

4. (Original) A method according to Claim 1 wherein step (b) comprises reducing said dimensions by margin dimensions to be formed in said printable representation.

5. (Currently amended) A method according to Claim 1 wherein step (d) comprises forming a linear array of records incorporating links from records of dependent ones of said at least two frames to frames from which they depend.

6. (Currently amended) A method according to Claim 1 wherein no account is taken of horizontal dependency between said at least two frames.

7. (Original) A method according to Claim 1 wherein said printable representation is a print preview representation.

8. (Original) A method according to Claim 1 wherein said printable representation comprises at least part of a print job dispatched to a printer.

9. (Currently amended) A method according to Claim 1 wherein said web page document comprises an HTML document defining a Web page.

10. (Currently amended) A computer-implemented method of forming a printable representation of a Web page, the computer including a processor, a memory and a display device each coupled to the processor, the Web page document being displayed by the processor upon the display to represent ~~the framed~~ content in at least two frames, said method comprising:

(i) detecting using the processor one of a print or a print preview selection for said Web page from a Web browser application executing on the computer;

(ii) examining using the processor a definition of said Web page for the presence of frames; and

(iii) where step (ii) detects the presence of said at least one frame two frames in said Web page, forming using the processor a printable representation of the Web page, said forming comprising the steps of:

(a) recording in the memory the position, height and width of each frame of said at least two frames of said Web page in a display window of the browser application in which said Web page is presented on the display device,

(b) identifying dimensions of a printing medium associated with said printable representation;

(c) determining a height of the content in ~~of~~ each said frame of said at least two frames;

(d) determining, for each said frame of said at least two frames, a record in any corresponding dependency frames, each said dependency frame being above a respective frame of said at least two frames ~~said frame~~ in said display window;

(e) interpreting the records to establish a display order of said at least two frames;

(f) for each ~~said frame~~ of said at least two frames, and in said display order:

(fa) checking a start position of said each frame of said at least two frames against an end position of a created display region of a frame upon which said each frame of said at least two frames is dependent, and setting said start position to be said end position;

(fb) creating a display region upon a page in said printable representation at said start position according to said corresponding content height;

(fc) placing the content of said each frame of said at least two frames into said display region; and

(fd) where said display region exceeds a page limit in said printable representation, terminating the display region at the page limit and creating a further display region upon a following page of the printable representation so as to span the content of said each frame of said at least two frames across the display region and the further display region.

11. (Original) A method according to Claim 10, further comprising the step of:

(iv) where step (ii) fails to detect the presence of a frame, forming the printable representation according to the browser application.

12. (Canceled)

13. (Previously presented) A computer-readable storage medium according to Claim 14, wherein said program forms a sub-application associated with a browser application and having a graphical user interface formed with a graphical user interface of said browser application.

14. (Currently amended) A computer-readable storage medium having a computer program recorded thereon, the program being arranged to make a computer execute a procedure to form a printable representation of a web page document having ~~framed~~ content in at least two frames, said program comprising:

code means for recording the position, height and width of each frame of said at least two frames of said web page document in a display widow in which said web page document is presented,

code means for identifying dimensions of a printing medium associated with said printable representation;

code means for determining a height of the content in of each frame of said at least two frames frame;

code means for determining, for each frame of said at least two frames frame, a record of any corresponding dependency frames, each said dependency frame being above a respective frame of said at least two frames frame in said display window;

code means for interpreting the records to establish a display order of said at least two frames;

code means, operable for each frame of said at least two frames frame, and in said display order, to:

(a) check a start position of said each frame of said at least two frames against an end position of a created display region of a frame upon which said each frame of said at least two frames is dependent, and setting said start position to be said end position;

(b) create a display region upon a page in said printable representation at said start position according to said corresponding content height;

(c) place the content of said each frame of said at least two frames into said display region; and

(d) where said display region exceeds a page limit in said printable representation, terminate the display region at the page limit and creating a further display region upon a following page of the printable representation so as to span the content of said each frame of said at least two frames across the display region and the further display region.

15. (Currently amended) A computer system operable to form a printable representation of a web page document having ~~framed~~ content in at least two frames, said system comprising:

means for recording the position, height and width of each frame of said at least two frames of said web page document in a display widow in which said web page document is presented,

means for identifying dimensions of a printing medium associated with said printable representation;

means for determining a height of the content of-in each frame of said at least two frames frame;

means for determining, for each frame of said at least two frames frame, a record of any corresponding dependency frames, each said dependency frame being above a respective frame of said at least two frames frame in said display window;

means for interpreting the records to establish a display order of said at least two frames;

means, operable for each frame of said at least two frames frame, and in said display order, to:

(a) check a start position of said each frame of said at least two frames against an end position of a created display region of a frame upon which said each frame of said at least two frames is dependent, and setting said start position to be said end position;

(b) create a display region upon a page in said printable representation at said start position according to said corresponding content height;

(c) place the content of said each frame of said at least two frames into said display region; and

(d) where said display region exceeds a page limit in said printable representation, terminate the display region at the page limit and creating a further display region

upon a following page of the printable representation so as to span the content of said each frame
of said at least two frames across the display region and the further display region.